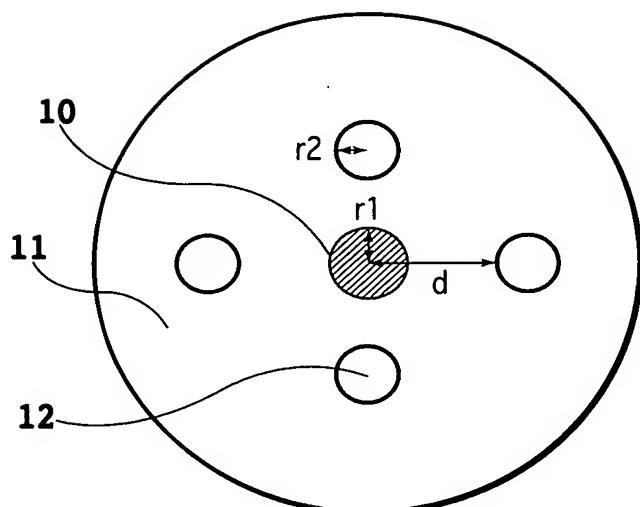
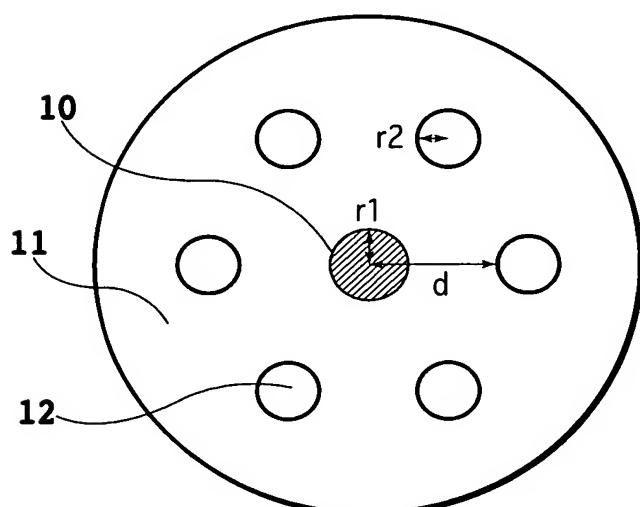
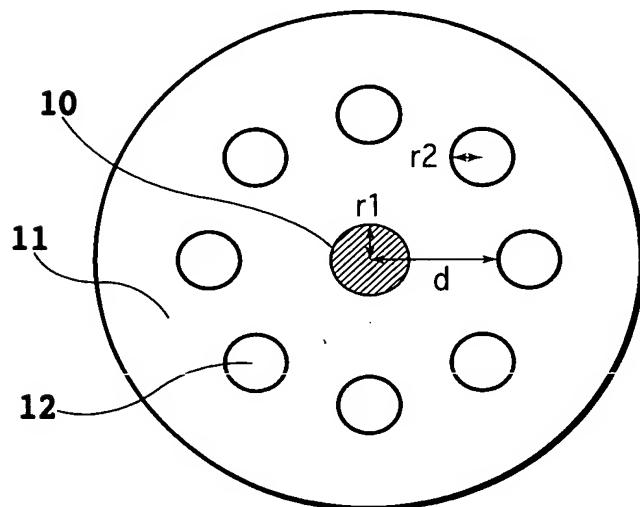


1/10

FIG.1A**FIG.1B****FIG.1C**

10 / 523460

2/10

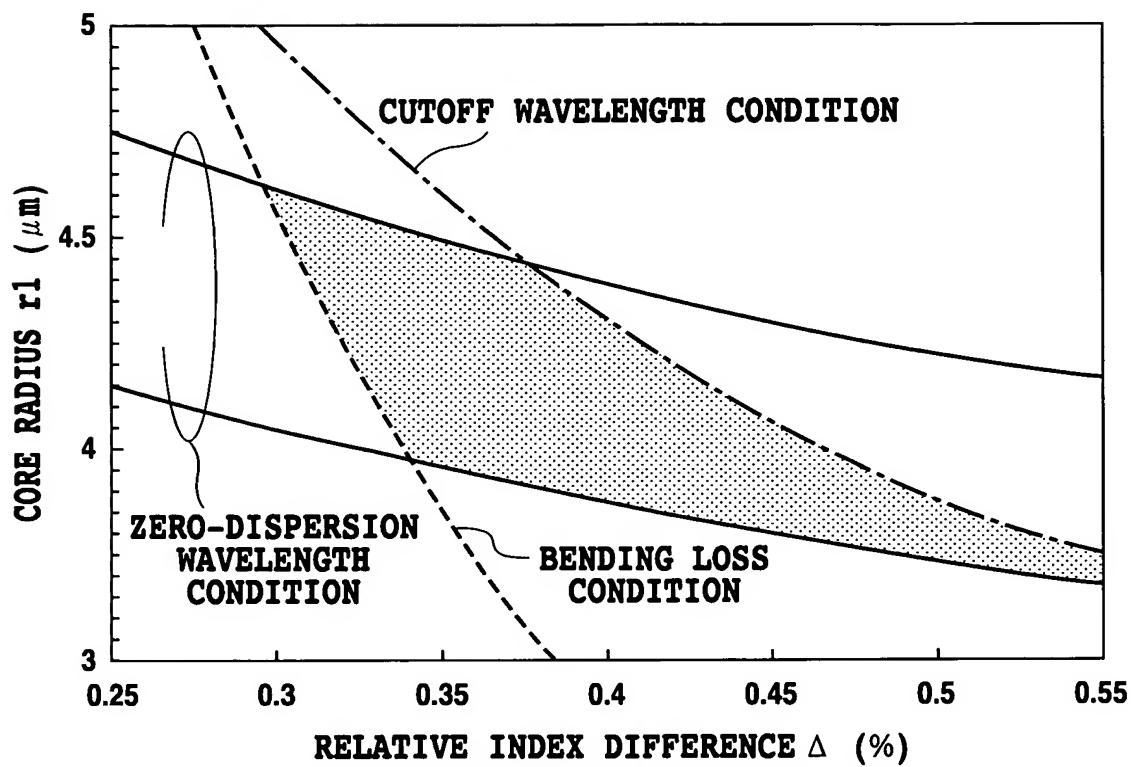


FIG.2
PRIOR ART

10/523460

3/10

FIG.3A

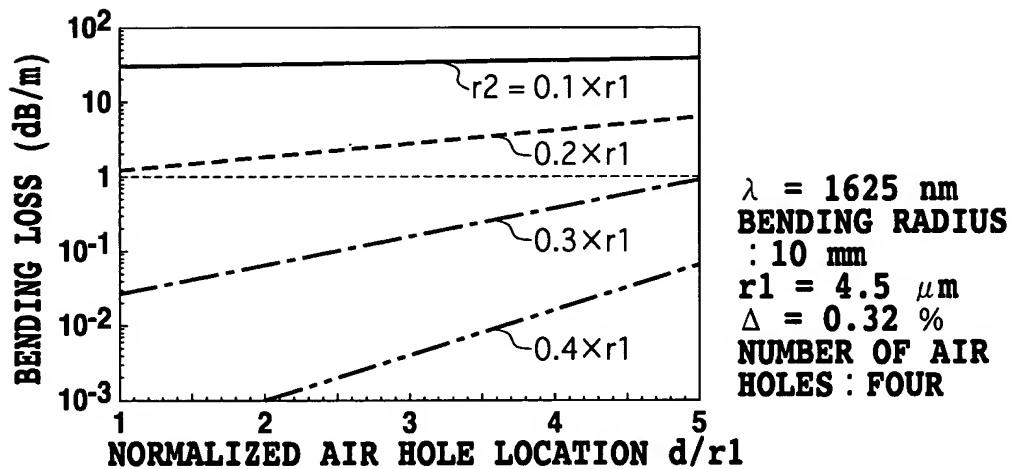


FIG.3B

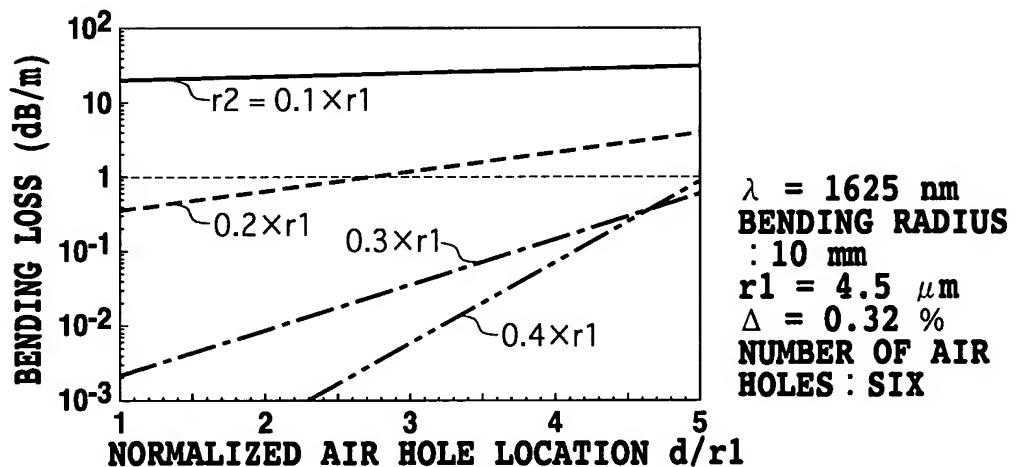
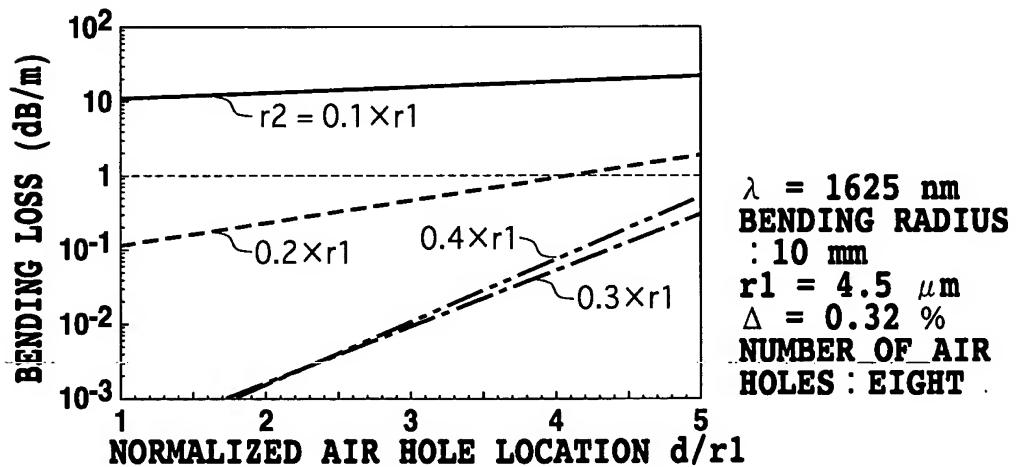
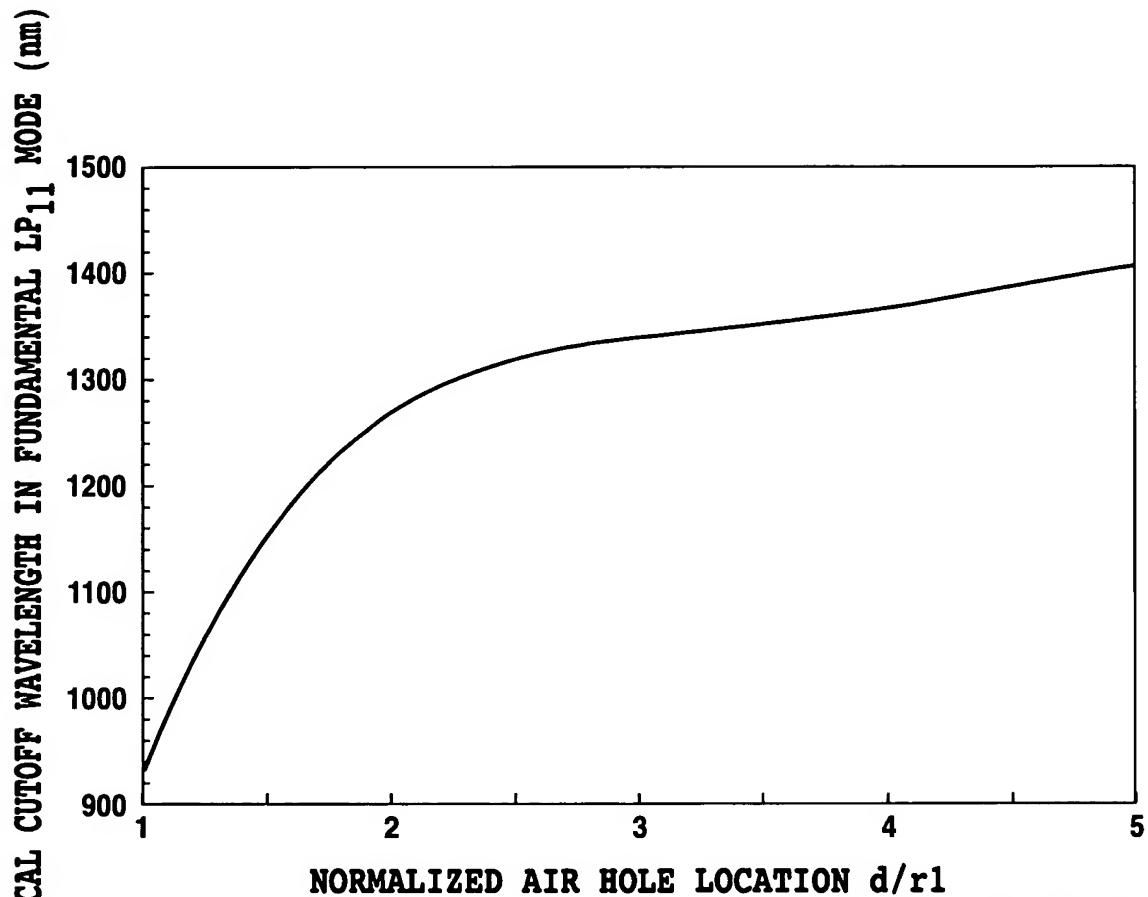


FIG.3C



10 / 523460

4/10

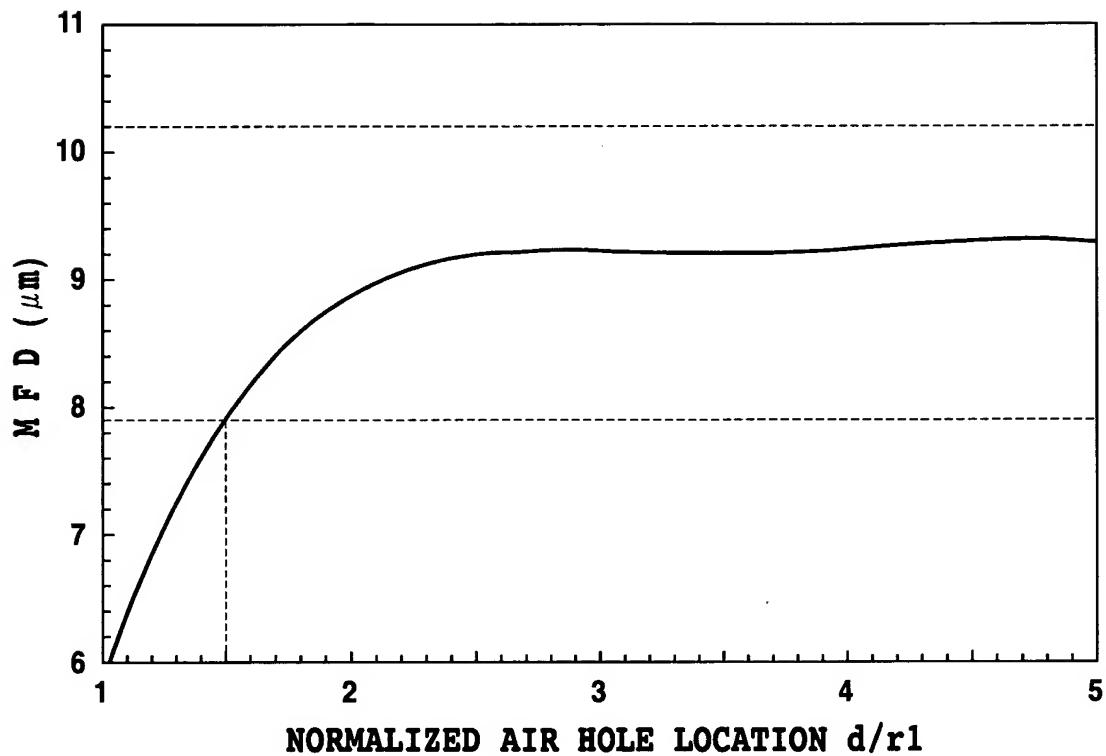


NUMBER OF AIR
HOLES : EIGHT
 $r_2 = 0.4 \times r_1$
 $r_1 = 4.5 \mu\text{m}$
 $\Delta = 0.32 \%$

FIG.4

10/523460

5/10

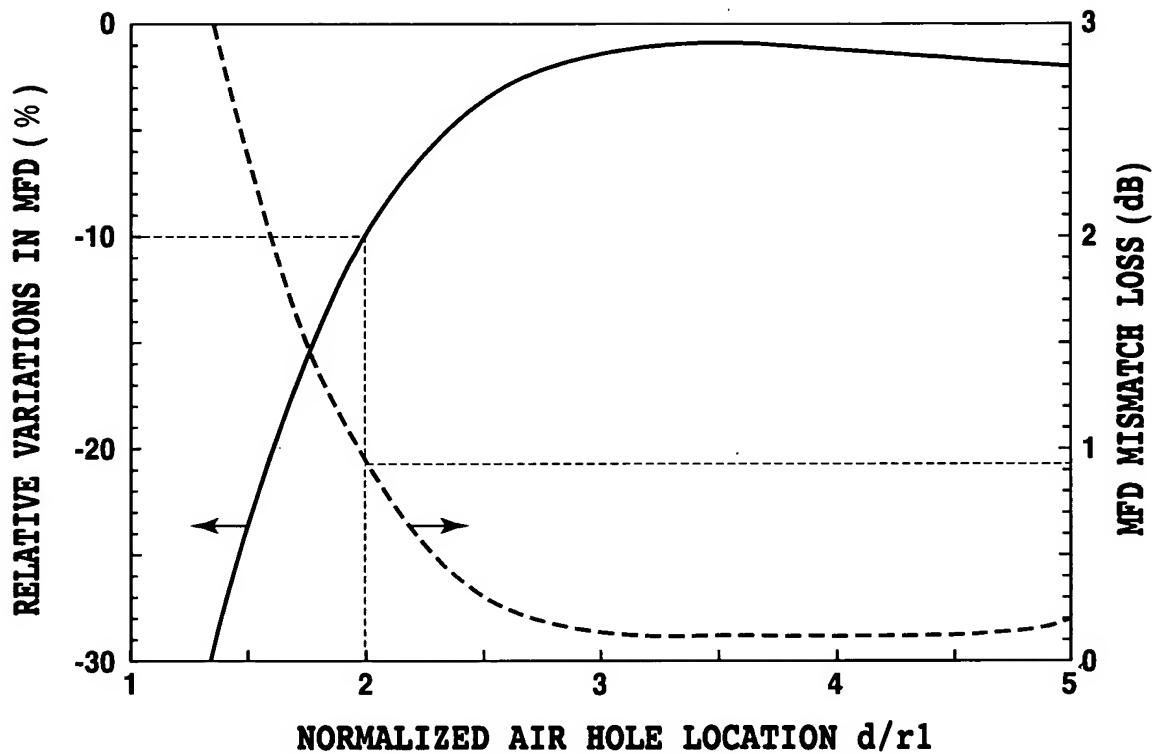


$\lambda = 1310 \text{ nm}$
NUMBER OF AIR
HOLES : EIGHT
 $r_2 = 0.4 \times r_1$
 $r_1 = 4.5 \mu\text{m}$
 $\Delta = 0.32 \%$

FIG.5

10 / 523460

6/10



$\lambda = 1625 \text{ nm}$
NUMBER OF AIR
HOLES : EIGHT
 $r_2 = 0.4 \times r_1$
 $r_1 = 4.5 \mu\text{m}$
 $\Delta = 0.32 \%$

FIG.6

10/523460

7/10

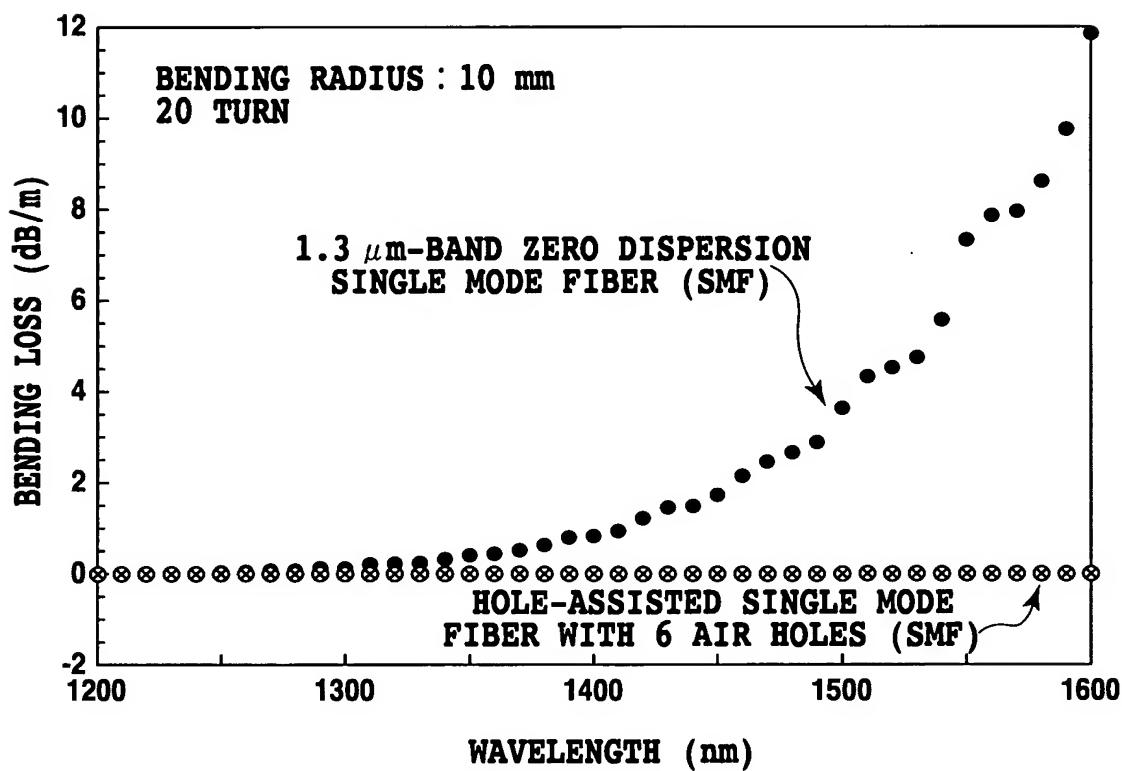
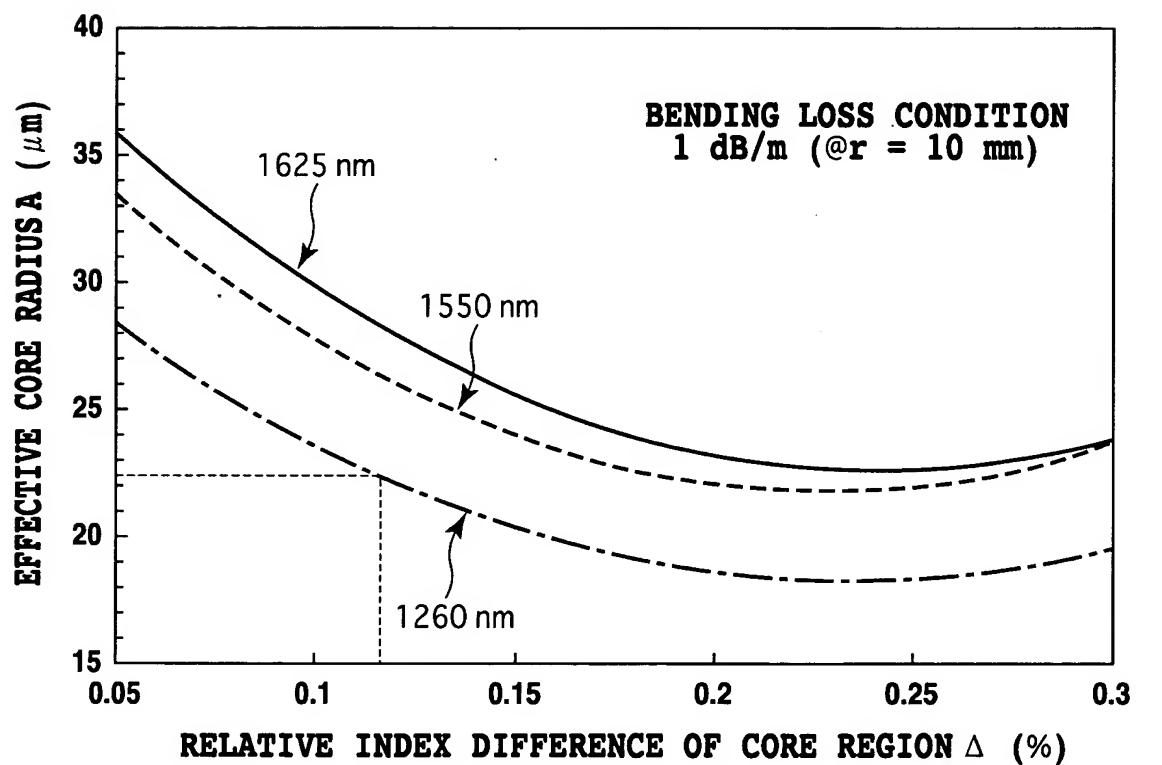


FIG.7

10/523460

8/10



NUMBER OF AIR
HOLES : SIX
 $d = 3 \times r_1$
 $r_2 = 0.3 \times r_1$

FIG.8

10 523460

9/10

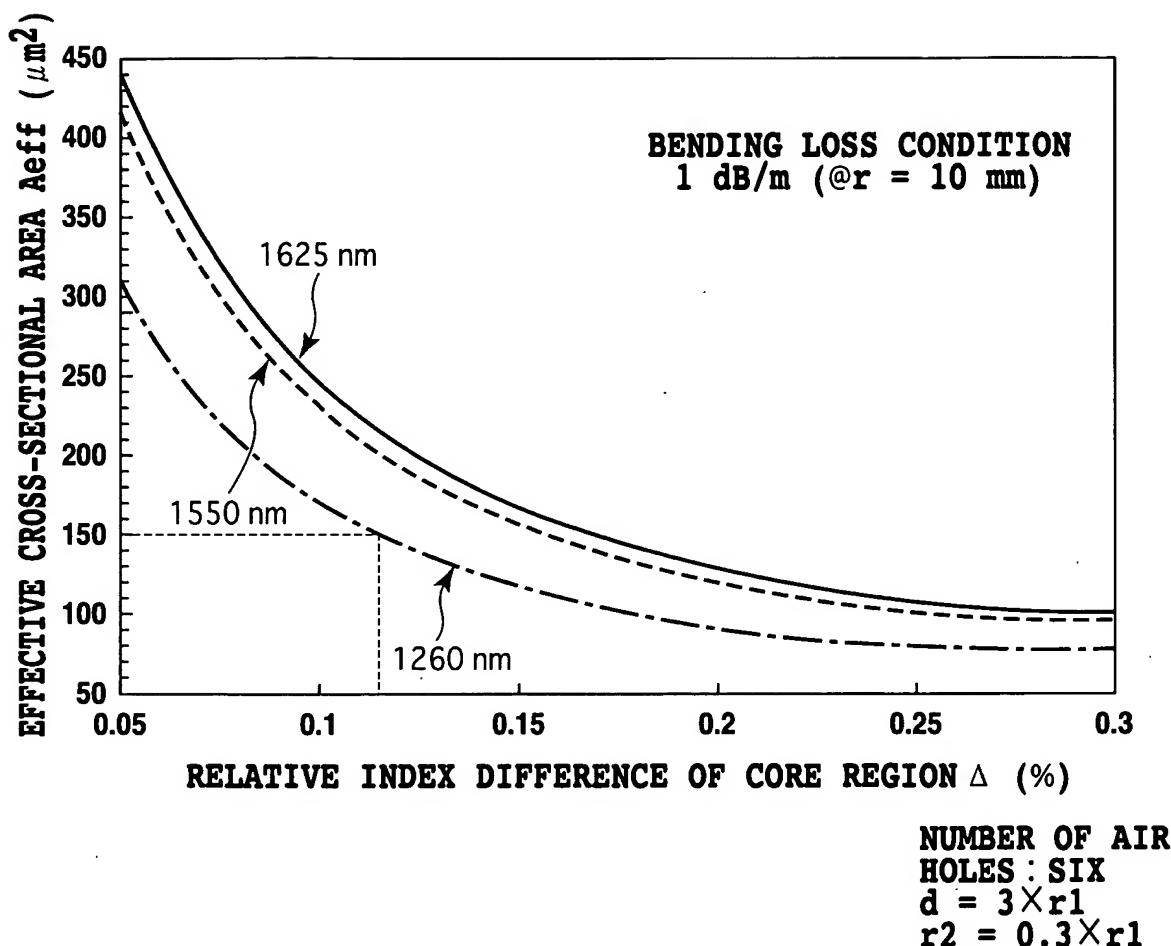


FIG.9

10/523460

10/10

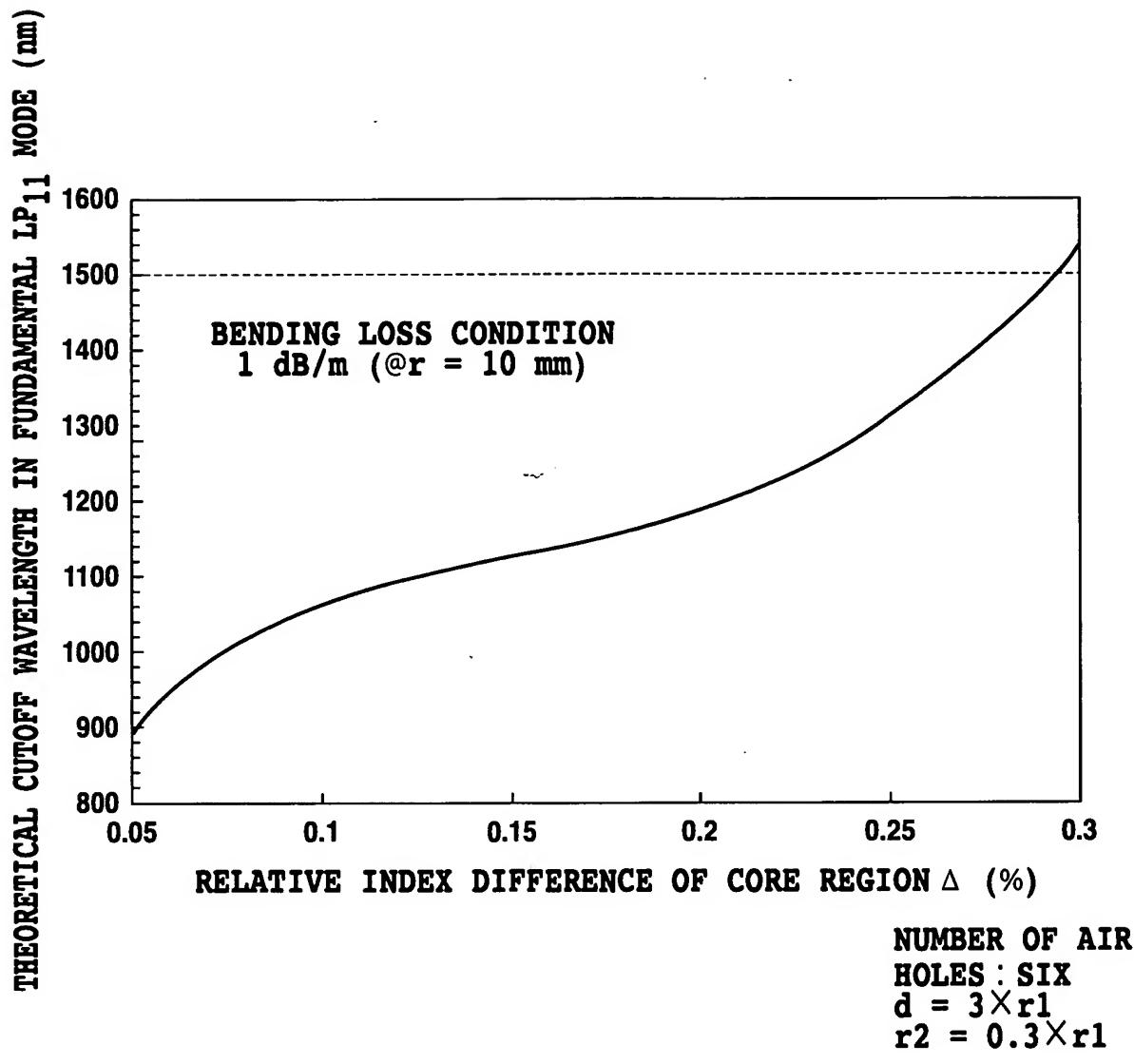


FIG.10